

Notice of Allowability

Application No.

09/225,208

Applicant(s)

TOGAWA ET AL.

Examiner

Art Unit

SIEGFRIED E. CHENCINSKI

3691

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 5/15/2008.
2. ☒ The allowed claim(s) is/are 1,2 and 4-26.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some* c) ☐ None of the:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
- * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).**
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|---|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

DETAILED ACTION

1. This office action is in response to the Notice of Panel Decision from Pre-Appeal Brief Review mailed June 2, 2008. Amendments submitted to the examiner informally have been entered by Examiner's amendment in this office action in order to overcome statutory issues. All rejections in the last office action are withdrawn by the examiner in view of the amendments. Claims 1, 2 and 4-26 are pending in the application.

EXAMINER'S AMENDMENT

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Attorney Mehdi D. Sheikerz on July 31, 2008.

The application has been amended as follows:

Claim 1. (Currently Amended) A computer system performing real-time management of object-oriented system objects as job objects among groups of workers as worker groups in communication with each other via networked computers, said computer system comprising:

a memory; and

a computer processor executing

a form generator generating job definition forms, and storing the job definition forms in the memory, each job definition form defining worker groups, and defining on a worker group by worker group basis a job procedure, a job object as a resource available to the worker group for processing the object of the object-oriented system and a job object condition;

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a resource manager managing the job-object conditions, including rights to use resources, worker group by worker group in real-time based upon the worker groups and resources defined in the job definition form;

a scheduler establishing the job-object conditions and scheduling each worker group to process the job objects, according to each worker group job procedure and the resources available to each worker group defined in the job definition form;

a job monitor performing real-time monitoring of job processing by the worker groups based upon the procedure of each worker group in the job definition form and performing real-time controlling of sharing of the resources, including the job-objects, among the worker groups while maintaining security of the job objects according to the job-object conditions managed by the resource manager group by group and/or member by member thereof, thereby for a first worker group or a member thereof inhibiting access to the job objects thereof from another worker group or a member thereof to which permission to use the job objects of the first worker group or the member thereof is not allocated; and

a rearranger managing worker rearrangements and the job objects of the worker groups according to a progress of the jobs from the job monitor based upon the job procedure of each worker group in the job definition form.

Claim 21. (Currently Amended) A method of performing real-time groupwise management of object-oriented system objects as job objects, comprising:

storing by a computer groups of workers as worker groups;

generating job definition forms, each job definition form defining worker groups

and defining on a worker group basis a job procedure, a job object as a resource

available to the worker group, for processing the object of the object-oriented system and a job object condition;

managing the job-object conditions, including rights to use resources, worker group by worker group in real-time based upon the worker groups and resources defined in the job definition form;

establishing the job-object conditions according to the each worker group job procedure defined in the job definition form;
scheduling each worker group to process the job objects, according to each worker group procedure and the resources available to each worker group defined in the job definition form;
monitoring, in real-time, job processing by the worker groups based upon the procedure of each worker group in the job definition form; and controlling, in real-time, sharing of the resources, including the job objects, among the worker groups while maintaining security of the job objects according to the managed job-object conditions group by group and/or member by member thereof by inhibiting access to a job object of a first worker group or a member thereof from another worker group or a member thereof to which permission to use the job object of the first worker group or the member thereof is not allocated; and
managing worker rearrangements and the job objects of the worker groups according to a progress of the jobs from the job monitor based upon the job procedure of each worker group in the job definition form,

Claim 24. (Currently Amended) A computer-readable medium encoded with a program performing real-time groupwise management of object-oriented system objects as job objects, by:

controlling a computer to execute operations comprising:

storing groups of workers as worker groups generating job definition forms, each job definition form defining worker groups and defining on a worker group by worker group basis a job procedure, a job object as a resource available to the worker group for processing the object of the object-oriented system and a job object condition;

managing the job-object conditions, including rights to use resources, worker group by worker group in real time based upon the worker groups and resources defined in the job definition form;

establishing the job-object conditions according to each worker group procedure defined in the job definition form;

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scheduling each worker group to process the job objects, according to each worker group procedure and the resources available to each worker group defined in the job definition form;

monitoring, in real-time, job processing by the worker groups based upon the procedure of each worker group in the job definition form;

controlling, in real-time, sharing of the resources, including the job objects, among the worker groups while maintaining security of the job objects according to the managed job-object conditions group by group and/or member by member thereof by inhibiting access to a job object of a first worker group or a member thereof from another worker group or a member thereof to which permission to use the job object of the first worker group or the member thereof is not allocated; and

managing worker rearrangements and the job objects of the worker groups according to a progress of the jobs from the job monitor based upon the job procedure of each worker group in the job definition form,

Claim 26. (Currently Amended) A computer system performing real-time management of object-oriented system objects as job objects among groups of workers as worker groups in communication with each other via networked computers, said computer system comprising:

a memory; and

a computer processor executing

a form generator generating job definition forms, and storing the job definition forms in the memory, each job definition form defining worker groups, and defining on a worker group by worker group basis a job procedure, a job object as a resource available to the worker group for processing the object of the object-oriented system and a job object condition;

a resource manager managing the job-object conditions, including rights to use resources, worker group by worker group in real-time based upon the worker groups and resources defined in the job definition form;

a scheduler establishing the job-object conditions and scheduling each worker group to process the job objects, according to each worker group job procedure and the resources available to each worker group defined in the job definition form;

a job monitor performing real-time monitoring of job processing by the worker groups based upon the procedure of each worker group in the job definition form and performing real-time controlling of sharing of the resources, including the job-objects, among the worker groups while maintaining security of the job objects according to the job-object conditions managed by the resource manager group by group and/or member by member thereof, thereby for a first worker group or a member thereof inhibiting access to the job objects thereof from another worker group or a member thereof to which permission to use the job objects of the first worker group or the member thereof is not allocated; and

a rearranger managing worker rearrangements and the job objects of the worker groups according to a progress of the jobs from the job monitor based upon the job procedure of each worker group in the job definition form;

wherein as the job-object conditions, each job definition form identifies for each worker group, information indicating the rights to use the job objects, and at least one of a job period, worker group members, the job objects allocated to the job to be carried out by the worker group, and the permission information of the job objects, and

wherein said resource manager, job monitor, and scheduler exchange rights to use the job objects among the worker groups, based upon the job-object conditions of each worker group defined in the job definition form.

Allowable Subject Matter

3. Claims 1, 2 and 4-26 are allowed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably

accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

4. The prior art of record and not relied upon is considered pertinent to Applicant's disclosure:

- (a) Castrucci, Steve; Glen, Ron; Making Teamwork Work; Jan. 1993; I. T. Magazine; v25n1; pp. 21-27.
- (b) Heck, Mike; High-end project managers; Feb. 1, 1993; InfoWorld; v15n5; pp. 59-70.

5. Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Siegfried Chencinski whose telephone number is (571)272-6792. The Examiner can normally be reached Monday through Friday, 9am to 6pm.

If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's supervisor, Alexander Kalinowski, can be reached on (571) 272-6771.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks, Washington D.C. 20231
or (571)273-8300 [Official communications; including After Final communications labeled "Box AF"]

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(571) 273-6792 [Informal/Draft communications, labeled "PROPOSED" or "DRAFT"]

Hand delivered responses should be brought to the address found on the above USPTO web site in Alexandria, VA.

SEC

August 4, 2008

/Hani M. Kazimi/

Primary Examiner, Art Unit 3691